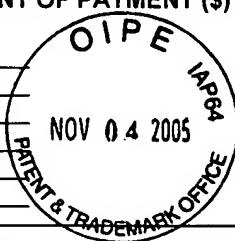


FEE TRANSMITTAL FOR FY 2005

Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known:

Application No. 10/613,006Filing Date July 7, 2003First Named Inventor Scot A. KellarExaminer Name Dolan, Jennifer M.Art Unit 2813Attorney Docket No. 42P12750D

Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)
 Check Credit Card Money Order None Other (please identify)
Deposit AccountDeposit Account Number : 02-2666

Deposit Account Name: _____

 The Director is Authorized to do the following with respect to the above-identified Deposit Account:

 Charge fee(s) indicated below.

 Charge any additional fee(s) or underpayment of fee(s) during the pendency of this application.

 Charge fee(s) indicated below except for the filing fee

 Credit any overpayments.

 Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

Warning: Information on this form may become public. Credit card information should not be included on this form.
Provide credit card information and authorization on PTO-2038.

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Large Entity	Small Entity	Fee Description	Fees Paid (\$)
Fee	Fee	Fee	Fee
Code	(\$)	Code	(\$)
1011	300	2011	150
1111	500	2111	250
1311	200	2311	100
		Utility application filing fee	1,000/500
		Utility search fee	
		Utility examination fee	
1012	200	2012	100
1112	100	2112	50
1312	130	2312	65
		Design application filing fee	430/215
		Design search fee	
		Design examination fee	
1013	200	2013	100
1113	300	2113	150
1313	160	2313	80
		Plant filing fee	660/330
		Plant search fee	
		Plant examination fee	
1004	300	2004	150
1114	500	2114	250
1314	600	2314	300
		Reissue filing fee	1,400/700
		Reissue search fee	
		Reissue examination fee	
1005	200	2005	100
		Provisional application filing fee	

SUBTOTAL (1) \$ 0.00

2. EXCESS CLAIM FEES

	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fees Paid (\$)</u>
Total Claims	– 20 or HP =	X	=
HP = highest number of total claims paid for, if greater than 20			
Independent Claims	– 3 or HP =	X	=
HP = highest number of independent claims paid for, if greater than 3			
Multiple Dependent Claims			=

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each add'l 50 or fraction thereof</u>	<u>Fee from below</u>	<u>Fees paid (\$)</u>
_____	– 100 = _____	/ 50 = _____ (round up to whole number)	X _____	_____
Large Entity				
Fee Code	Fee (\$)	Fee Code	Fee (\$)	<u>Fee Description:</u> Application size fee for each additional group of 50 sheets beyond initial 100 sheets (count spec & drawings except sequences & program list)
1081	250	2081	125	Utility
1082	250	2082	125	Design
1083	250	2083	125	Plant
1084	250	2084	125	Reissue
SUBTOTAL (3) \$ 0.00				

FEE CALCULATION (continued)**4. OTHER FEE(S)**

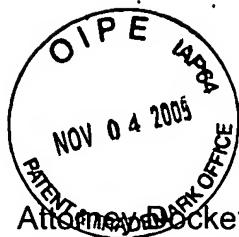
Non-English Specification, \$130 fee (no small entity discount)

<u>Large Entity</u>	<u>Small Entity</u>		<u>Fees Paid (\$)</u>
Fee Code	Fee (\$)	Fee Code (\$)	<u>Fee Description</u>
1051	130	2051	Surcharge - late filing fee or oath
1052	50	2052	Surcharge - late provisional filing fee or cover sheet
1053	130	1053	Non-English specification
1812	2,520	1812	For filing a request for ex parte reexamination
1813	8,800	1813	Request for inter parties reexamination
1804	920*	1804	Requesting publication of SIR prior to Examiner action
1805	1,840*	1805	Requesting publication of SIR after Examiner action
1251	120	2251	Extension for reply within first month
1252	450	2252	Extension for reply within second month
1253	1,020	2253	Extension for reply within third month
1254	1,590	2254	Extension for reply within fourth month
1255	2,160	2255	Extension for reply within fifth month
1401	500	2401	Notice of Appeal
1402	500	2402	Filing a brief in support of an appeal
1403	1,000	2403	Request for oral hearing
1451	1,510	1451	Petition to institute a public use proceeding
1452	500	2452	Petition to revive – unavoidable
1453	1,500	2453	Petition to revive - unintentional
1501	1,400	2501	Utility issue fee (or reissue)
1502	800	2502	Design issue fee
1503	1100	2503	Plant issue fee
1462	400	1462	Petitions to the Commissioner (CFR 1.17(f) Group I)
1463	200	1463	Petitions to the Commissioner (CFR 1.17(g) Group II)
1464	130	1464	Petitions to the Commissioner (CFR 1.17(h) Group III)
1807	50	1807	Processing fee under 37 CFR 1.17(q)
1806	180	1806	Submission of Information Disclosure Stmt
8021	40	8021	Recording each patent assignment per property (times number of properties)
1809	790	2809	For filing a submission after final rejection (see 37 CFR 1.129(a))
1814	130	2814	Statutory Disclaimer
1810	790	2810	For each additional invention to be examined (see 37 CFR 1.129(b))
1801	790	2801	Request for Continued Examination (RCE)
1802	900	1802	Request for expedited examination of a design application
1504	300	1504	Publication fee for early, voluntary, or normal pub.
1505	300	1505	Publication fee for republication
1803	130	1803	Request for voluntary publication or republication
1808	130	1808	Processing fee under 37 CFR 1.17(i) (except provisionals)
1454	1,370	1454	Acceptance of unintentionally delayed claim for priority
Other fee (specify) _____			
Other fee (specify) _____			
			SUBTOTAL (4) \$ 180.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: Van N. NguyenSignature: V.N. NguyenDate: 11/2/05Reg. Number: 55,851Telephone Number: 408-720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Attorney Docket: 42390P12750D

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. 10/613,006

Examiner: Dolan, Jennifer M.

Applicant: Kellar, et al.

Confirmation No.: 4498

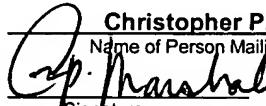
Filed: July 7, 2003

Art Unit: 2813

For: A BARRIER STRUCTURE
AGAINST CORROSION AND
CONTAMINATION IN THREE-
DIMENSIONAL (3-D) WAFER-TO-
WAFER VERTICAL STACK

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

on November 2, 2005
Date of Deposit


Christopher P. Marshall
Name of Person Mailing Correspondence
Christopher P. Marshall 11/2/2005
Signature Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

11/07/2005 CCHAU1 00000033 10613006

01 FC:1806

180.00 OP

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

37 C.F.R. §1.97(b).

37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:

A statement pursuant to 37 C.F.R. §1.97(e) or

A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).

37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Date: 11/2/05


Van N. Nguyen
Reg. No. 55,851

12400 Wilshire Boulevard
Seventh Floor
Los Angeles, California 90025
(403) 720-8300

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)



Sheet	1	of	3	Attorney Docket Number	42P12750D
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,648,131	3/7/1972	Stuby	
		US- 3,705,332	12/5/1972	Parks	
		US- 4,897,708	1/30/1990	Clements	
		US- 4,954,875	9/4/1990	Clements	
		US- 4,998,665	3/12/1991	Hayashi	
		US- 5,045,914	9/3/1991	Casto et al.	
		US- 5,229,647	7/20/1993	Gnadinger et al.	
		US- 5,283,107	2/1/1994	Bayer et al.	
		US- 5,404,044	4/4/1995	Booth et al.	
		US- 5,510,655	4/23/1996	Tanielian	
		US- 5,608,265	3/4/1997	Kitano et al.	
		US- 5,640,049	6/17/1997	Rostoker et al.	
		US- 5,717,247	2/10/1998	Koh et al.	
		US- 5,751,556	5/12/1998	Butler et al.	
		US- 5,825,080	10/20/1998	Imaoka et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0293459 B1	7/22/1992	Carlomagno et al.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/613,006
Filing Date	July 7, 2003
First Named Inventor:	Scot A. Kellar
Art Unit	2813
Examiner Name	Dolan, Jennifer M.

Sheet	2	of	3	Attorney Docket Number	42P12750D
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,901,050	5/4/1999	Imai	
		US- 6,391,669	5/21/2002	Fasano et al.	
		US- 6,593,645	7/15/2003	Shih et al.	
		US- 6,608,371	8/19/2003	Kurashima et al.	
		US- 6,661,085	12/9/2003	Kellar et al. (P12750 Iss'd)	
		US- 6,882,045	4/19/2005	Massingill et al.	
		US 2001/0038148 A1	11/8/2001	Mastromatteo et al.	
		US 2002/0017710 A1	2/14/2002	Kurashima et al.	
		US 2002/0195673 A1	12/26/2002	Chou et al.	
		US 2003/0148596 A1	8/7/2003	Kellar et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3 Attorney Docket Number 42P12750D

Complete if Known

Application Number	10/613,006
Filing Date	July 7, 2003
First Named Inventor:	Scot A. Kellar
Art Unit	2813
Examiner Name	Dolan, Jennifer M.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		"Ultra Thin Electronics for Space Applications", 2001 Electronic Components and Technology Conference, 2001 IEEE, 5 pages.	
		"Copper Wafer Bonding"; A. Fan, A. Rahman, and R. Reif; Electrochemical and Solid-State Letters, 2 (10) 534-536 (1999).	
		"Face to Face Wafer Bonding for 3D Chip Stack Fabrication to Shorten Wire Lengths", Jun. 27-29, 2000 VMIC Conference 2000 IMIC-200/00/0090(c), 90-96.	
		"InterChip Via Technology for Vertical System Integration", Fraunhofer Institute for Reliability and Microintegration, Munich, Germany, Infineon Technologies AG, Munich, Germany, 2001 IEEE, 160-162.	

Examiner Signature	Date Considered
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

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